Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	347	paint near4 (micron)	USPAT	OR	ON	2006/01/05 19:17
L2	1988	paint near4 ("15" microns)	USPAT	OR	ON	2006/01/05 19:17
L3	15	paint near4 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:17
L4	0	(aqueous near4 paint) near6 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:18
L5	0	(aqueous near4 paint) near6 ("25" adj microns)	USPAT	OR	ON	2006/01/05 19:18
L6	0	((aqueous or water) near4 paint) near6 ("25" adj microns)	USPAT	OR	ON	2006/01/05 19:19
L7	0	((aqueous or water) near4 paint) near6 ("15" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L8	0	((aqueous or water) near4 paint) near6 ("35" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L9	0	((aqueous or water) near4 paint) near6 ("45" adj microns)	USPAT	OR	ON	2006/01/05 19:20
L10	3	((aqueous or water) near4 paint) near6 ("50" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L11	0	"5879440.pn"	USPAT	OR	ON	2006/01/05 19:24
L12	0	"5879440.pn"	USPAT	OR	ON	2006/01/05 19:24
L13	1	"5879440".pn.	USPAT	OR	ON	2006/01/05 19:24
L14	0	((aqueous or water) near4 paint) near6 ("100" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L15	0	((aqueous or water) near4 paint) near6 ("150" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L16	0	((aqueous or water) near4 paint) near6 ("75" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L17	0	((aqueous or water) near4 paint) near6 ("45" adj microns)	USPAT	OR	ON	2006/01/05 19:25
L18	0	((aqueous or water) near4 paint) near6 (("60" or "70" or "80" or "90" or "110" or "120" or "125") adj microns)	USPAT	OR	ON	2006/01/05 19:26
L19	1	((aqueous or water) near4 paint) near6 ("450" adj microns)	USPAT	OR	ON	2006/01/05 19:27
L20	20	((aqueous or water) near4 paint) near6 (microns)	USPAT	OR	ON	2006/01/05 19:27

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  SEP 09   ACD predicted properties enhanced in
REGISTRY/ZREGISTRY
 NEWS  4  OCT 03   MATHDI removed from STN
 NEWS  5  OCT 04   CA/CAplus-Canadian Intellectual Property Office
(CIPO) added
                   to core patent offices
 NEWS  6  OCT 13   New CAS Information Use Policies Effective October
17, 2005
 NEWS  7  OCT 17   STN(R) AnaVist(TM), Version 1.01, allows the
export/download
                   of CAplus documents for use in third-party analysis
and
                   visualization tools
 NEWS  8  OCT 27   Free KWIC format extended in full-text databases
 NEWS  9  OCT 27   DIOGENES content streamlined
 NEWS 10  OCT 27   EPFULL enhanced with additional content
 NEWS 11  NOV 14   CA/CAplus - Expanded coverage of German academic
research
 NEWS 12  NOV 30   REGISTRY/ZREGISTRY on STN(R) enhanced with
experimental
                   spectral property data
 NEWS 13  DEC 05   CASREACT(R) - Over 10 million reactions available
 NEWS 14  DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
 NEWS 15  DEC 14 2006 MeSH terms loaded for MEDLINE file segment of
TOXCENTER
 NEWS 16  DEC 14 CA/CAplus to be enhanced with updated IPC codes
 NEWS 17  DEC 16 MARPATprev will be removed from STN on December 31,
2005
 NEWS 18  DEC 21 IPC search and display fields enhanced in CA/CAplus
with the
                 IPC reform
 NEWS 19  DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in
USPATFULL/USPAT2
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NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
http://download.cas.org/express/v8.0-Discover/

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=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

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FILE 'HOME' ENTERED AT 19:35:18 ON 05 JAN 2006

=> File Medline EMBASE Biosis Caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.48

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=> s ((aqueous or water) (4A) paint) (6A) (microns)
L1             2 ((AQUEOUS OR WATER) (4A) PAINT) (6A) (MICRONS)

=> d l1 1-2 bib ab

L1   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1973:161014  CAPLUS
DN   78:161014
TI   Small-particle dispersion coating composition
IN   Zola, John C.
SO   U.S., 7 pp.
     CODEN: USXXAM
DT   Patent
LA   English
FAN.CNT 3
     PATENT NO.          KIND   DATE        APPLICATION NO.
DATE
     ---------------     ----   --------    --------------------
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PI   US 3725089           A     19730403    US 1971-107865
19710119
     DE 1519443           C3    19790104    DE 1962-Z9368
19620419
     JP 51006175          B4    19760226    JP 1962-15460
19620420
     US 3458328           A     19690729    US 1967-609769
19670117
     US 3459544           A     19690805    US 1967-609789
19670117
PRAI US 1961-104211       A2    19610420
     US 1967-609769       A2    19670117
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US 1967-609789 A3 19670117
US 1969-836227 A1 19690623
AB Substantially odor-free coating composition, for sag- and wrinkle-resistant latex coatings and **paints** comprised colored **aq**. film former particles (<25 **microns**) dispersed in an aqueous dispersing phase, and optionally mixed with dispersion of other colors, or larger particle sizes, and can be dried and applied to a surface, or water-. Thus, a film forming water-thinnable alkyd resin paint was prepared in 2 parts. A white water thinnable resin base composition contained 42% solids Arolon 580 [39291-16-2] resin 52.5, titanium dioxide [13463-67-7] 42.0, Tamol 731 anionic pigment dispersant 1.6, water 3.7, and Emulsive Co drier 0.2 parts. The dispersion was prepared from preresin bases 48.7, Polymer 1212A nonionic guar gum derivative 3.4, benonite colloidal clay (high swelling Na type) aqueous dispersion 14.6, improved by addition aqueous bentonite 10.0, and aqueous NH4HB4O7 3.3, and water 20.0 parts to give a brushable, white alkyd resin paint with good thioxotropic properties.

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1942:32483 CAPLUS
DN 36:32483
OREF 36:5033g-h
TI Deviation of the hiding equation
AU Battline, F.
SO Paint, Oil and Chemical Review (1942), 104(No. 11), 9-10
CODEN: POCRAK; ISSN: 0096-7521
DT Journal
LA Unavailable
AB The hiding power of a pigment in paint is given by 100 - k[1-{(n2 - n1)2/(n2 - n1)2}]2x, where x = (3.785WB.1015)/Ad, k = 100 minus the percentage of the light reflected from the vehicle surface, n2 and n1 are the indexes of refraction of pigment and vehicle, resp., W = number of lb. of pigment contained in one gal. of paint, B = bulking of the pigment in gal. per lb., d = dimension of the average pigment grain in microns and A is the area of spread per gal. of **paint** in **aq**. **microns**. Calcns. of hiding power are shown for (1) anatase and

rutile TiO2 pigment of 0.5, 1.0 and 2.0μ particle size and for 1, 2 and
3 lb. pigment per gal., (2) ZnS, (3) Pb chromate and (4) artificial Fe
oxide. The equation can be used to determine average particle size of pigments or
n of pigments.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near6 paint	USPAT	OR	OFF	2006/01/05 18:03

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near6 paint	USPAT	OR	OFF	2006/01/05 18:07
L2	33	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 paint	USPAT	OR	OFF	2006/01/05 18:08
L3	43	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 organophosphorus	USPAT	OR	OFF	2006/01/05 18:08
L4	0	l2 and l3	USPAT	OR	OFF	2006/01/05 18:08

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	organophosphorus near6 paint	USPAT	OR	OFF	2006/01/05 18:07
L2	33	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 paint	USPAT	OR	OFF	2006/01/05 18:11
L3	43	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 organophosphorus	USPAT	OR	OFF	2006/01/05 18:09
L4	0	l2 and l3	USPAT	OR	OFF	2006/01/05 18:08
L5	2473	(enzyme or Hydrolase or Lyase or Isomerase or Ligase or Esterase or phosphatase or paraoxonase or carboxylase or phosphotriesterase or proteinase or protease or peptidase or kinase or reductase or oxidase or transferase or lipase or ase or amylase or lysozyme or galactosidase or cellulase or trypsin or amidase) near6 (toxic or toxin)	USPAT	OR	OFF	2006/01/05 18:09
L6	0	l2 and l5	USPAT	OR	OFF	2006/01/05 18:10
L7	0	l2 and (multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:11
L8	4307	paint and (multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:12
L9	212	paint near8(multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:12
L10	176	paint near6(multi or plurality) near2 (layer or layers)	USPAT	OR	OFF	2006/01/05 18:14
L11	159	paint near6((multi or plurality) near2 (layer or layers))	USPAT	OR	OFF	2006/01/05 18:14
L12	10	l11 and (containers or (containers) near2 (layer or layers))	USPAT	OR	OFF	2006/01/05 18:22

L13	8	l11 and (containers or (containers) near2 (layer or layers)) NOT (bake or baking or baked)	USPAT	OR	OFF	2006/01/05 18:26
L14	1	l11 and (containers or (containers) near2 (layer or layers)) NOT (bake or baking or baked or heat)	USPAT	OR	OFF	2006/01/05 18:27